



**Rodney J. Ross**  
Manager  
State Regulatory Affairs

Mail Station 9708  
PO Box 53999  
Phoenix, Arizona 85072-3999  
Tel 602-250-4944  
Rodney.Ross@aps.com

May 7, 2020

Docket Control  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

RE: Arizona Public Service Company (APS or Company)  
Summer Preparedness Special Open Meeting Presentation  
Docket No. AU-00000A-20-0069

Attached is APS's Summer Preparedness Presentation, presented at the Special Open Meeting on May 7, 2020.

Please let me know if you have any questions.

Sincerely,

/s/ Rod Ross

Rodney J. Ross

RR/eml  
Attachments

cc: Elijah Abinah

# **Arizona Public Service Company 2020 Summer Preparedness**

Arizona Corporation Commission

May 7, 2020



# Presenter

**Sarah Kist**

General Manager, T&D Operations  
and Maintenance



# APS 2020 Summer Readiness Overview

**Safe, Reliable, Affordable, Customer Focused**

---

**01** | Service Territory

**02** | Peak Forecast & Resources

**03** | Fuel Supplies

**04** | Planned Reliability Activities

**05** | Fire Mitigation

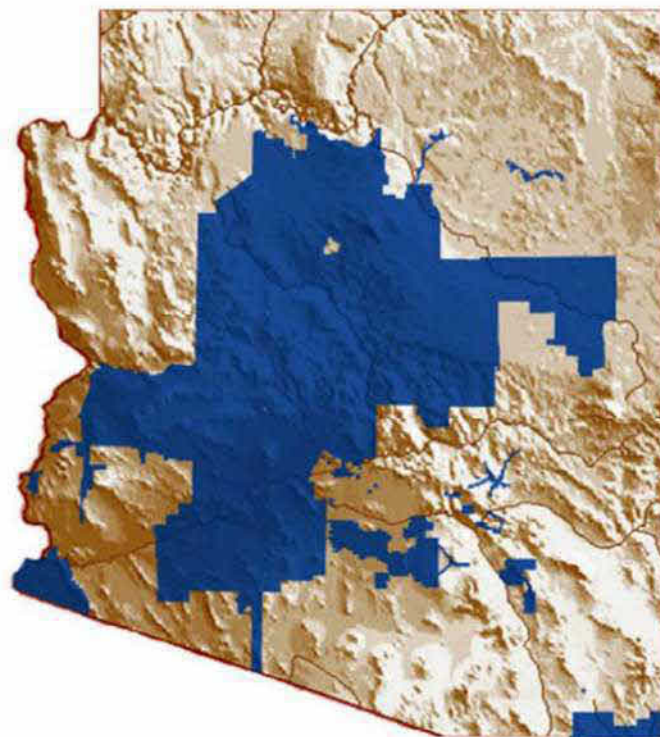
**06** | Emergency Preparedness

---

**Generation resources, fuel supplies and transmission capacity are in place to meet customer demand reliably.**

# APS Service Territory

- 11 of Arizona's 15 counties
- 34,646 square mile service area
- Serving about 1.3 million customers
- 439 substations; 301,357 transformers; more than 550,000 poles and structures
- Approximately 6,000 miles of transmission lines, 11,200 miles of overhead lines and 22,100 miles of underground cable

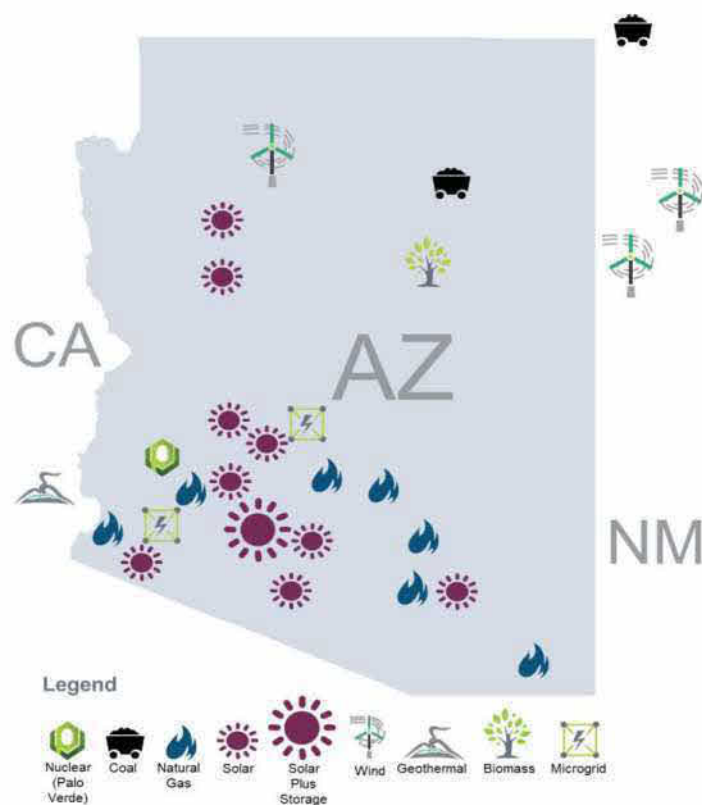


## 2020 Peak Resources and Demand





# 2020 APS Resource Diversity



## 2020 Resource Peak Capacity (MWs)

|                                    | PEAK<br>CAPACITY |
|------------------------------------|------------------|
| <b>Nuclear</b>                     | <b>1,146</b>     |
| <b>Coal</b>                        | <b>1,357</b>     |
| <b>Natural Gas</b>                 | <b>5,371</b>     |
| Owned                              | 3,401            |
| PPAs                               | 1,970            |
| <b>Microgrid/ESS (Quick Start)</b> | <b>32</b>        |
| <b>Renewables</b>                  | <b>484</b>       |
| Solar                              | 403              |
| Owned Solar                        | 118              |
| Solar PPAs                         | 285              |
| Wind (PPAs)                        | 55               |
| Other (PPAs)                       | 26               |
| <b>Incremental Customer-Based</b>  | <b>128</b>       |
| Energy Efficiency                  | 105              |
| Distributed Energy                 | 4                |
| Demand Response                    | 19               |
| <b>TOTAL</b>                       | <b>8,518</b>     |

# APS has adequate fuel supply for all of its generating facilities

- **Palo Verde**
  - 100% of fuel requirements contracted through 2021
  - Overall station capacity factor 92.55% in 2019
- **Conventional Generation**
  - Fuel contracts in place for other APS generating facilities





# Reliability Activities

- Annual inspection, maintenance, and upgrades of equipment, lines, and towers
- Predictive and preventive maintenance programs utilizing technology
- Transmission peak load studies
- Planning and preparation to elevated fire conditions



# Fire Mitigation Focus Areas

- We work year-round to provide safe protocols to **prevent**, **mitigate** and **respond** to the threat of wildfire.



Hazard Tree  
Program



DSAP Program



Incident  
Management



Reclosing Strategy



FM Technology &  
Data Assessment



Safety Line Patrols



Maintenance



Public Outreach

# Emergency Management

## External Preparedness and Response

- Update mutual assistance with neighboring utilities (SRP & TEP)
- Coordination of summer operating study with nearby utilities
- Fire and emergency management coordination with various Federal, State, and Local agencies.

## Internal Preparedness and Response

- Black start system restoration drill
- Electric Load Curtailment Plan exercise
- Disaster Recovery Plan exercise



# Summary

APS has adequate generation resources, fuel supplies and transmission capacity in place to reliably meet customer demand this summer.

